

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Please amend lines 16-17 at page 9 so that they now read:
followed by CAA (CAG₉₋₁₃CAA), (SEQ ID NOs:19-23) with the exception of the 13Q
allele which is CAGCAACAG₁₀CAA (SEQ ID NO:18).

IN THE CLAIMS:

Claims 1, 3, 5, 11, 13 and 14 have been amended as follows:
Underlines indicate insertions and brackets "[]" indicate deletions.

1. (Twice amended) An isolated human hGT1 gene comprising a transcribed polymorphic CAG repeat having the sequence (CA[U]R)₂(CAG)_nCAA, wherein [U] R is A or G and n is from 7 to 12, as set forth in SEQ ID NOs:12-17, wherein allelic variants of said CAG repeat are associated with a disorder selected from the group consisting of psychiatric diseases, schizophrenia, affective disorders, neurodevelopmental brain diseases and phenotypic variability with respect to long term response to neuroleptic medication, and wherein n being equal to 11 (SEQ ID NO:16) is the most common allele of the hGT1 gene.

3. (Twice amended) A method for evaluating the severity of schizophrenia of a patient, which comprises the steps of:

- a) obtaining a nucleic acid sample of said patient; and
 - b) determining allelic variants of said CAG repeat of the gene of claim 1,
- wherein allelic variants shorter than allele 0, which corresponds to n=11 (SEQ ID NO:16), are indicative of less severe schizophrenia in the patient.

5. (Twice amended) The method of claim 4, wherein said shorter allelic variants have a n equal to 8, 9 or 10 as set forth in SEQ ID NOs:13, 14 or 15.

11. (Amended) The method of claim 10, wherein said sample is a nucleic acid sample and wherein shorter allelic variants have a n equal to 8, 9 or 10, as set forth in SEQ ID NO:13, 14 or 15.

13. (Amended) The human gene of claim 1, wherein n is selected from the group consisting of 7, 8, 9, 10 and 12, as set forth in SEQ ID NOs:12, 13, 14, 15 and 17, and wherein said allelic variant is associated with schizophrenia.

14. (Amended) The human gene of claim 13, wherein n is selected from:

a) n is 7 to 10, as set forth in SEQ ID NOs:12 to 15, wherein said allelic variant is associated with a neuroleptic medication-responsive status of a schizophrenic patient, and

b) n is equal to 12, as set forth in SEQ ID NO:17, wherein said allelic variant is associated with a poor responsive status of a schizophrenic patient to neuroleptic medication.

